Amendments to the Specification

Please *amend* the paragraph on page 16, line 20 to page 17, line 8 as follows:

In an embodiment of the invention in which cache weights indicate amounts of data (e.g., in bytes) that may be scheduled in each cache turn, for relatively high priority data an illustrative cache weight may be one or more times the number of bytes in a maximum, average, median or other suitable measure of a packet size (e.g., as determined by an applicable network protocol stack). A cache weight for a low priority cache may be very low, such as one, indicating that the low priority data need only be sent when virtually no higher priority data are is available. In an embodiment of the invention in which no less than one full packet of data will be scheduled for transmission from a cache, any weight that is less than the a packet size should ensure that only one packet of data is sent during each turn that cache is serviced. Thus, in the weighting scheme described here, by having a relatively high weight for a high priority cache more data may be scheduled for transmission before a deficit is developed and/or the servicing turn for that cache is terminated. Conversely, having a low weight for a low priority cache will cause the low weight to be quickly exceeded, thus terminating the servicing of the low priority cache relatively early.